

DUR NiCrBSi + WC12Co

CATEGORY Metal Powders

TYPE Gas atomized, agglomerated and blended powder.

APPLICATIONS Mixer blades, cutters, hoppers, sand pumps, friction parts etc.

PROPERTIES Excelent wear resistance when corrosion, friction and high temperatures are combined. Good bonding strenght and low friction coefficient that makes the alloy excelent for gliding surfaces and metal to metal wear.

CLASSIFICATION EN ISO 1274: 3.3

WELDING POSITIONS:



CHEMICAL COMPOSITION IN WT-%:

	Ni	Cr	B	Si	C	Fe	Co	W
40% Matrix	Rem.	8-10	1.5-2.5	1.5-2.5	<0.6			
60% Rem.	<0.6	-	-	-	4.8 + 0.7	<2	11-13	Bal.

AVAILABLE PRODUCT FORMS

Distribution grain size			
Size µm*	Size µm*	Size µm*	Size µm*
125/45	90/45	45/22	25/5

REDRYING TEMPERATURE not required

NOTE *) According to EN 1274 3.3 or as per individual customer specification. Density: Matrix: 7.8 – 8.1 g/cm³
Density: Rem.: 4.3 – 5.4 g/cm³